

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Ralph E. Bucknam

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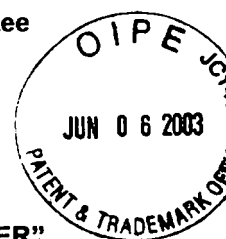
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TITLE: ENERGY FINDING TECHNIQUE AND TYPICAL DEVICE

CASE: BA 22810

SUPERVISING EXAMINER: John R. Lee

GROUP: 2881

SOMETHING EXTREMELY IMPORTANT

On page 11 of the pamphlet FULL ANALYSIS AND EXPLANATION OF "ANTI-MATTER" I stated the "challenge": "...rewriting in 2^n form and with up-dated concepts of quantum mechanics ... Dirac's 1930 paper associating his negative solution in the study of spin with the positron."

This was based on the fact that over 25 years ago when I was writing my treatise THE IMPARTIAL EYE, at page 210 I predicted what I have now shown about anti-matter and from page 529 to 553 after a long and careful study of a number of authoritative works on Dirac spin, I laid the basis for a paper, now working out wonderfully well, which will have the title "Non-Inertial Computation of Anti-matter". It may be 4 or 5 weeks before I can send you the finished paper.

The bottom line is found by comparing the two following equations(*):

$$\text{(Inertial)} \quad \sum_{\mu\nu} g^{\mu\nu} p_\nu p_\mu = \frac{E^2}{c^2} - \mathbf{p} \cdot \mathbf{p} = m^2 c^2 \quad (11.7)$$

$$\text{(New non-inertial anti-matter)} \quad 2^n = 2^{-n}$$

Neither Dirac nor the vast number of researchers working with the STANDARD MODEL have realized that the "rest mass" $m^2 c^2$ is actually the unmeasurable total anti-energy 2^n .

Here is the point of the present letter. Not only is 2^n *absolutely correct* without room for doubt but, in addition to exposing an unmeasurable "second Universe", it also explains the anti-gravity now being predicted to exist by those working with the Hubble telescope.

At age 91 I can at best hope to be around for about 11 years. I hope the Patent Office will now promptly do its part to publish a patent "promoting science" and the Energy Department will promptly help make use of the huge resources of untapped energy.

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Respectfully submitted,

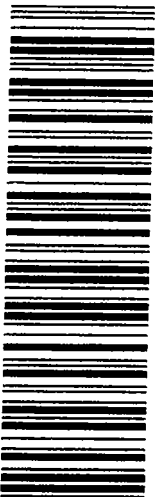
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(*) Nuclear and Particle Physics, Burcham and Jobe, Addison Wesley Longman Ltd.
(1995) Page 379.



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